

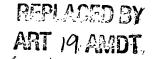
## **CLAIMS**

A method of injection well construction and completion comprising:
 drilling a borehole through an injection zone of a formation;
 running, into the borehole, casing including an extendable assembly comprising a
 fixed portion and a moveable portion having a filter media at its distal end so that the
 extendable assembly is positioned adjacent a site in the injection zone;

extending the moveable portion of the extendable assembly to contact the formation forming a conduit between an interior of the casing and the formation; and injecting fluids into the well through the conduit.

- The method of claim 1, further comprising the step of:
  cementing the casing in place after the extending step, but before the injecting step.
- 3. The method of claim 1, wherein an injection pressure exceeds a fracture pressure of the injection zone.
- 4. The method of claim 1, wherein the casing further includes a plurality of extendable assemblies so that each assembly is positions adjacent a site in the injection zone.
- 5. The method of claim 4, wherein the plurality comprises between about 1 and about 20 of extendable assemblies per square foot of casing within the injection zone.
- 6. The method of claim 4, wherein the plurality comprises between about 1 and about 12 of extendable assemblies per square foot of casing within the injection zone.
- 7. The method of claim 4, wherein the plurality comprises between about 1 and about 4 of extendable assemblies per square foot of casing within the injection zone.
- A method of injection well construction and completion comprising:
  drilling the well with a conventional drilling fluid to a point above a target injection zone;

displacing the conventional drilling fluid with a "Drill-In Fluid;"



drilling the remaining borehole through injection zone;

running, into the borehole, casing including an extendable assembly comprising a fixed portion and a moveable portion having a filter media at its distal end so that the extendable assembly is positioned adjacent a site in the injection zone;

extending the moveable portion of the extendable assembly to contact the formation forming a conduit between an interior of the casing and the formation; and injecting fluids into the well through the conduit.

- 9. The method of claim 8, further comprising the step of: cementing the casing in place after the extending step, but before the injecting step.
- 10. The method of claim 8, wherein an injection pressure exceeds a fracture pressure of the injection zone.
- 11. The method of claim 8, wherein the casing further includes a plurality of extendable assemblies so that each assembly is positions adjacent a site in the injection zone.
- 12. The method of claim 11, wherein the plurality comprises between about 1 and about 20 of extendable assemblies per square foot of casing within the injection zone.
- 13. The method of claim 11, wherein the plurality comprises between about 1 and about 12 of extendable assemblies per square foot of casing within the injection zone.
- 14. The method of claim 11, wherein the plurality comprises between about 1 and about 4 of extendable assemblies per square foot of casing within the injection zone.
- 15. An injection completion system comprising:
- a well borehole extended into and through an injection zone of a productive formation,

a casing run into the borehole and including an extendable assembly comprising a fixed portion and a moveable portion having a filter media at its distal end so that the extendable assembly is positioned adjacent a site in the injection zone extended into the site



of the injection zone forming a conduit from an interior of the casing to the formation, well completion tubing and equipment, and

a fluid system for injecting a fluid into the formation through the casing and out the conduits.

- 16. The system of claim 15, wherein the casing further includes a plurality of extendable assemblies so that each assembly is positions adjacent a site in the injection zone.
- 17. The system of claim 16, wherein the plurality comprises between about 1 and about 20 of extendable assemblies per square foot of casing within the injection zone.
- 18. The system of claim 16, wherein the plurality comprises between about 1 and about 12 of extendable assemblies per square foot of casing within the injection zone.
- 19. The system of claim 16, wherein the plurality comprises between about 1 and about 4 of extendable assemblies per square foot of casing within the injection zone.